

New. XX powered by eneloop.
The LSD-battery for devices with
medium-to-high power consumption.



You have already been interested in LSD-batteries but so far you were not satisfied with the low capacity? SANYO takes the opinion of its customers very seriously and therefore is releasing XX powered by eneloop. With its capacity of 2500 mAh this rechargeable battery suits devices with a high power consumption such as digital cameras particularly well. XX powered by eneloop also offers you the advantages of a disposable battery and is coming pre-charged in stores. This way the batteries are ready to use right after being purchased. Because of the low self-discharge the batteries retain 75%² of their capacity even after one year of storage. The economy and environment friendliness are ensured by having 500 cycles.



eneloop, eneloop lite, XX powered by eneloop. The better alternative to conventional rechargeable or disposable batteries. Which rechargeable battery type suits you best?

Product Name	eneloop		eneloop lite		XX powered by eneloop
Technology	Ni-MH rechargeable battery		Ni-MH rechargeable battery		Ni-MH rechargeable battery
Applications	all-purpose		low-to-medium power consumption devices		medium-to-high power consumption devices
Charging / Discharging Cycles	up to 1500		up to 2000		up to 500
Self-discharge	75% capacity after 3 years ^{*1}		75% capacity after 3 years ^{*1}		75% capacity after 1 year ^{*2}
Size	AA (mignon)	AAA (micro)	AA (mignon)	AAA (micro)	AA (mignon)
Model Name	HR-3UTGA	HR-4UTGA	HR-3UQ	HR-4UQ	HR-3UWX
Voltage	1.2 V	1.2 V	1.2 V	1.2 V	1.2 V
Typ. Capacity	2000 mAh	800 mAh	1000 mAh	600 mAh	2500 mAh
Min. Capacity	1900 mAh	750 mAh	900 mAh	550 mAh	2400 mAh

1 : 1500



^{*} ETM Testmagazin Result achieved with eneloop HR-3UTG.
^{*1} All statements in the flyer concerning the remaining capacity of eneloop/eneloop lite are based on storing a fully charged battery at room temperature for 3 years. (Discharge current eneloop HR-3UTGA: 740mA, eneloop HR-4UTGA: 520 mA, eneloop lite HR-3UQ: 200 mA, eneloop lite HR-4UQ: 100mA / cell discharge cut voltage 1.0V).
^{*2} All statements regarding the remaining capacity of XX powered by eneloop are based on storing a fully charged battery at room temperature for 1 year. (Discharge current HR-3UWX: 740 mA / cell discharge cut voltage 1.0V).
 All statements concerning the capacity (mAh) are based on IEC61951-2(7.2.1).
 All statements concerning the life of the battery (cycle) are based on IEC61951-2(7.4.1.1.).

Trust the proven quality and know-how of SANYO.

eneloop is available in two sizes: AA (mignon) and AAA (micro), in packs of 2, 4 or 8 batteries.

Size: AA
2 batteries per pack
4 batteries per pack
8 batteries per pack

Size: AAA
2 batteries per pack
4 batteries per pack



Recharging the easy way. SANYO has developed a wide range of chargers for eneloop.



MDR02 the light-weight 4 hrs charger with Peak-Voltage-Detection – ideal for travelling

MQN04 the attractively priced overnight-charger

MQN09 with –deltaV charging control and LED illumination while charging

MQR06 the quick-charger for the demanding user. With individual charging control and Peak-Voltage-Detection (microprocessor controlled cut-off when fully charged)

MQR06

Of course you can also use other modern Ni-MH battery chargers to charge eneloop batteries.

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eneloop. Now even better.

New: eneloop lite.
XX powered by eneloop.

Which rechargeable battery type suits you best?



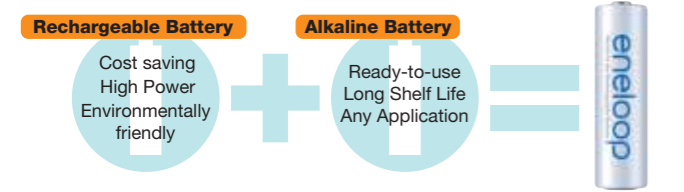
eneloop. The battery for the 21st century. Now even better. (HR-3UTGA / HR-4UTGA)

Unlike single use batteries, conventional rechargeable batteries can be reused over and over again, are powerful and environmentally friendly. However, they also have problems of their own. They are often empty just when you need them. They have to be charged before you can use them. Even in devices with low power requirements they discharge quickly, even though when the device is not in use. In other words you never quite know if your battery is charged or not.

In 2005 already SANYO has put an end to the disadvantages associated with conventional rechargeable batteries. eneloop combines the superior technology of modern nickel metal hydride rechargeable batteries with the advantages of conventional alkaline batteries. Since the product launch of the first LSD-rechargeable battery (Ni-MH rechargeable battery with low self-discharge), eneloop has become well-known around the world and has revolutionized the consumer-use rechargeable battery segment.

Now there is every reason to switch to eneloop. Protect the environment and save money at the same time.

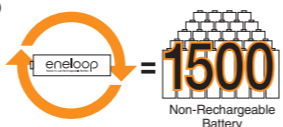
eneloop combines the advantages of rechargeable and alkaline batteries.



Most batteries discharge over time, even if they are not used. This is called self-discharge. Conventional rechargeable batteries have a very high self-discharge. SANYO has drastically reduced the self-discharge effect for eneloop through unique developments in its nickel metal hydride technology. Consequently, eneloop offers optimum energy storage with 75%*1 of the capacity still available after 3 years. For that reason eneloop can be sold pre-charged. This way you can use eneloop just like a disposable battery, immediately after purchase and use it in almost all of your applications, even of low power consumption such as remote controls and clocks.

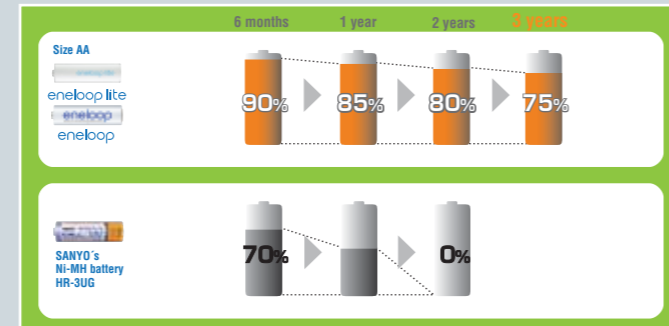
eneloop – combining cost efficiency and environmental compatibility.

Clearly the greatest advantage of eneloop is that it can be recharged up to 1,500 times and recycled afterwards. In the long run, this is not just only more economical, it also avoids the problematic waste of up to 1,500 batteries. SANYO is an active member in several national battery collection organizations. Together with other battery manufacturers we have built up a return, sorting and recycling system that ensures optimal recycling of used batteries.



eneloop impresses with extended service life.

Thanks to SANYO's "Super-lattice-alloy technology" and improvements in electrolyte composition, self-discharge has been drastically reduced. A further improvement compared to the previous eneloop (HR-3UTG / HR-4UTG) has been achieved by incorporating new technologies for material, manufacturing method and structure.



The graph clearly shows that in comparison with other high quality rechargeable batteries, eneloop retains 75%*1 after 3 years and does not require periodic recharging. This means that you can be sure that your device is always ready for use. No matter when you charge eneloop, you can count on eneloop supplying the power that you need, even three years later.

Take up to four times as many pictures with your digital camera using eneloop.

Do you have a digital camera using single use batteries? Switch to eneloop, and you'll be taking up to 4 times as many pictures. Especially in applications with high power needs, eneloop is far superior to alkaline batteries. Thanks to eneloop, you won't have to keep changing your camera batteries or buy new ones.

* Compared to SANYO alkaline batteries (LR6). Tested digital camera: SANYO DSC-S4. 1 shot every 20 seconds, 1 flash every 3 shots. LCD stays ON; at room temperature. Number of shots may differ, given the application and conditions.

eneloop is suitable for temperatures as low as -20°C.

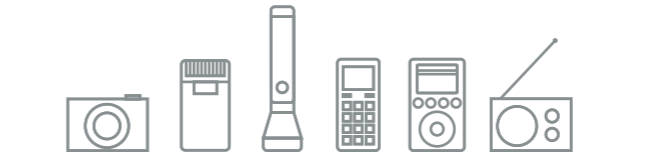
In low temperatures eneloop demonstrates performance superior to alkaline batteries. After all it would be a shame to lose that special moment just because your batteries won't work in the cold.

* The operation time can be shorter than at room temperature. Depending on the application and current output.

eneloop is pre-charged by solar energy.

That means that the energy used for pre-charging eneloop at the Japanese factory has been generated by using clean, renewable solar energy, which makes eneloop even more environmentally friendly.

eneloop replaces disposable batteries in almost all of your household devices.



From digital cameras to MP3 players and on to remote controls, eneloop is the ideal and universal power supply for almost all of your household devices, even applications that until now have run on alkaline batteries such as paddles. With eneloop, you always have the right battery on hand.

New. eneloop lite. The battery for first-time rechargeable battery users. Ideal for low-to-medium power consumption devices.

There are still households which are not using LSD-batteries yet. The reason? They still desire a more attractive price and shorter charging time. That's the reason why SANYO is enlarging its eneloop line-up with eneloop lite. The new eneloop lite is ideal for low-to-medium power consumption devices such as DECT phones.

eneloop lite offers you the advantages of the classical eneloop: the batteries are pre-charged and therefore ready to use directly after being purchased. Thanks to its low self discharge eneloop lite keeps 75%*1 of its initial charge even after 3 years of storage. Just as eneloop, the batteries get pre-charged at the Japanese factory with electric power generated from solar energy. The differences become visible when looking at the capacity and amount of cycles. eneloop lite is even able to get recharged up to 2000 times. Through reviewing the battery design and reducing the amount of materials used, attractive prices have been realized. Additionally the reduced capacity also leads to a faster charging. Compared to the charging time of an eneloop battery size mignon, that of an eneloop lite size mignon is only half. Furthermore eneloop lite has less weight than the classical eneloop. For example: an eneloop lite size mignon weighs approximately 19g which is about 30% less than the weight of an eneloop of the same size (approx. 27g). Lighter batteries are especially convenient for devices that use multiple batteries and when many batteries need to be carried.

With those specifications eneloop lite is very attractive for first-time rechargeable battery users.

